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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/605,457	09/30/2003	Chao-Kang Li	AOIP0007USA	2456
27765	7590	06/17/2005	EXAMINER	
NORTH AMERICA INTERNATIONAL PATENT OFFICE (NAIPC)			CHANG, YEAN HSI	
P.O. BOX 506			ART UNIT	PAPER NUMBER
MERRIFIELD, VA 22116			2835	

DATE MAILED: 06/17/2005

Please find below and/or attached an Office communication concerning this application or proceeding.

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<b>Office Action Summary</b>	<b>Application No.</b> 10/605,457	<b>Applicant(s)</b> LI, CHAO-KANG	
	<b>Examiner</b> Yean-Hsi Chang	<b>Art Unit</b> 2835	

**-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --**

**Period for Reply**

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

**Status**

- 1) ☒ Responsive to communication(s) filed on 30 September 2003.
- 2a) ☐ This action is **FINAL**.                      2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

**Disposition of Claims**

- 4) ☒ Claim(s) 1-22 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.
- 5) ☐ Claim(s) \_\_\_\_\_ is/are allowed.
- 6) ☒ Claim(s) 1,2,7-9 and 16-18 is/are rejected.
- 7) ☒ Claim(s) 3-6,10-15 and 19-22 is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

**Application Papers**

- 9) ☒ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 30 September 2003 is/are: a) ☒ accepted or b) ☐ objected to by the Examiner.  
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

**Priority under 35 U.S.C. § 119**

- 12) ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☒ All    b) ☐ Some \*    c) ☐ None of:
1. ☒ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

\* See the attached detailed Office action for a list of the certified copies not received.

**Attachment(s)**

- |  |   |
|--|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892)  | 4) <input type="checkbox"/> Interview Summary (PTO-413)<br>Paper No(s)/Mail Date. _____ |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948)                                   | 5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152)             |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)<br>Paper No(s)/Mail Date _____ | 6) <input type="checkbox"/> Other: _____  |

## **DETAILED ACTION**

### ***Specification***

1. The disclosure is objected to because of the following informalities: Both the numerical characters "16" and "18" have been used to designate "the processor", and "18" has been used to designate both "a processor" and "an electrical fan".

Appropriate correction is required.

### ***Claim Objections***

2. Claim 16 is objected to because of the following informalities: The "the fixing track" lacks antecedent basis. Appropriate correction is required.

### ***Claim Rejections - 35 USC § 103***

3. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

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4. Claims 1-2, 7-9 and 16 are rejected under 35 U.S.C. 103(a) as being unpatentable over Broder et al. (US 2004/0196629 A1) in view of Tozune et al. (US 6,775,136 B2).

Broder teaches a computer system (10, fig. 1A) comprising: a housing (12) having a side plate (18), a central processing unit (25) installed inside the housing for processing data and program codes, a pipeline (14+16) having a predetermined pattern (shown in fig. 2) and a plurality of first hooks (20), for fixing the pipeline to the side plate, and a slide (66) installed on a region beside the central processing unit (shown in fig. 4) and mounted onto the pipeline, the slide having at least a positioning protrude (68) for engaging with the predetermined pattern of the pipeline (claim 1); wherein the side plate comprises at least a heat vent (on 18 not shown) for ventilating heat generated by the central processing unit (claim 2); wherein the predetermined pattern comprises an engaging zone (60), and a first rib set (on top surface of 60) comprising: a plurality of parallel-disposed first ribs (62 and 34) installed on a first side (one side of 60, fig. 2) of the engaging zone, and a plurality of first spaces (between 34 and 62 on opposite sides of 60 in fig. 2, not labeled), each of which disposed between two adjacent first ribs of the first rib set and the positioning protrude can be engaged into any one of the first spaces (shown in fig. 4) (claim 7); wherein all of the first spaces are equal in length (spaces on opposite sides of 60 are equal in length) (claim 8); wherein at least two of the first spaces are not equal in length (on sides of 60 not parallel) (claim 9); and wherein the predetermined pattern further comprises: a guiding zone (on top surface of 60), and a guiding track (along 62) installed on the guiding zone, and the slide further comprises at

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least a guiding protrude (68b), and a corresponding guiding slot (68a) installed on the guiding protrude for engaging with the guiding track while the positioning protrude is engaged into any one of the first spaces (claim 16).

Broder fails to teach the side plate installed with a plurality of first holes, and further comprising at least one positioning hole or positioning spring plate hole; and the pipeline further comprising a first positioning pillar or at least one positioning spring plate.

Tozune teaches a computer system (1, fig. 1) comprising: a housing (2) having a side plate (62) installed with a plurality of first holes (64) and a plurality of first hooks for engaging with the first holes.

It would have been obvious to one having ordinary skill in the art at the time the invention was made to modify the device of Broder with the first hooks and first holes taught by Tozune for easy assembling without a tool.

5. Claims 17-18 are rejected under 35 U.S.C. 103(a) as being unpatentable over Broder et al.

Broder discloses the claimed invention except indicating the positioning protrude of the slide being made of plastic. It would have been obvious to one having ordinary skill in the art at the time the invention was made to modify the device of Broder with the positioning protrude made of plastic, since it has been held to be within the general skill of a worker in the art to select a known material on the basis of its suitability for the intended use for the purpose of being easily made into a specific design.

***Allowable Subject Matter***

6. Claims 3-6, 10-15 and 19-22 are objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.

7. The following is a statement of reasons for the indication of allowable subject matter: The best prior art of record, Broder et al. (US 2004/0196629 A1), and Tozune et al. (US 6,775,136 B2), taken alone or in combination, fails to teach or fairly suggest a computer system comprising, in addition to other limitations: a side plate of a housing comprising at least one first positioning hole, and a pipeline comprising a first positioning pillar corresponding to the first positioning hole as set forth in claim 3; the side plate of the housing comprising at least one positioning spring plate hole, and the pipeline comprising at least one positioning spring plate corresponding to the positioning spring plate hole as set forth in claim 4; a heat mask having a plurality of second hooks, and the side plate of the housing comprising a plurality of second holes for engaging with the second hooks accordingly as set forth in claim 5; a predetermined pattern of the pipeline comprising a second rib set including a plurality of parallel-disposed second ribs installed on a second side of an engaging zone and interlaced with a first ribs of a first rib set, and a plurality of second spaces, each disposed between two adjacent second ribs of the second rib set, and the positioning protrude can be engaged into any one of the second spaces as set forth in claim 10; wherein the predetermined pattern

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further comprises: a guiding zone, and a guiding track installed on the guiding zone, and the slide further comprises a guiding protrude and a guiding slot installed on the guiding protrude for engaging with the guiding track while the slide is mounting onto the pipeline so that the slide is capable of sliding back and forth along the pipe line as set forth in claims 12 and 19; and wherein the predetermined pattern further comprises a pipeline hook for hooking the slide and preventing the slide away from the pipeline after the slide is mounted onto the pipeline as set forth in claim 20. Claims 6, 11, 13-15, and 21-22 are dependent claims from claims 5, 10, 12, and 20, respectively.

### ***Correspondence***

8. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Yean-Hsi Chang whose telephone number is (571) 272-2038. The examiner can normally be reached on 07:30 - 16:00, Monday through Friday.

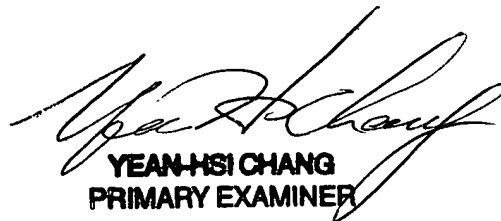
If attempts to reach the examiner by telephone are unsuccessful, the Art Unit phone number is (571) 272-2800, ext. 35. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306. Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system,

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see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is (703) 305-8558.

Yean-Hsi Chang  
Primary Examiner  
Art Unit: 2835  
June 14, 2005



**YEAN-HSI CHANG**  
**PRIMARY EXAMINER**